



THE BRAZOS RIVER BASIN IN THE REGION H WATER PLAN

May 30, 2012

**Brazos River Authority Offices
Waco, Texas**

Region H Overview



- 3 River Basins

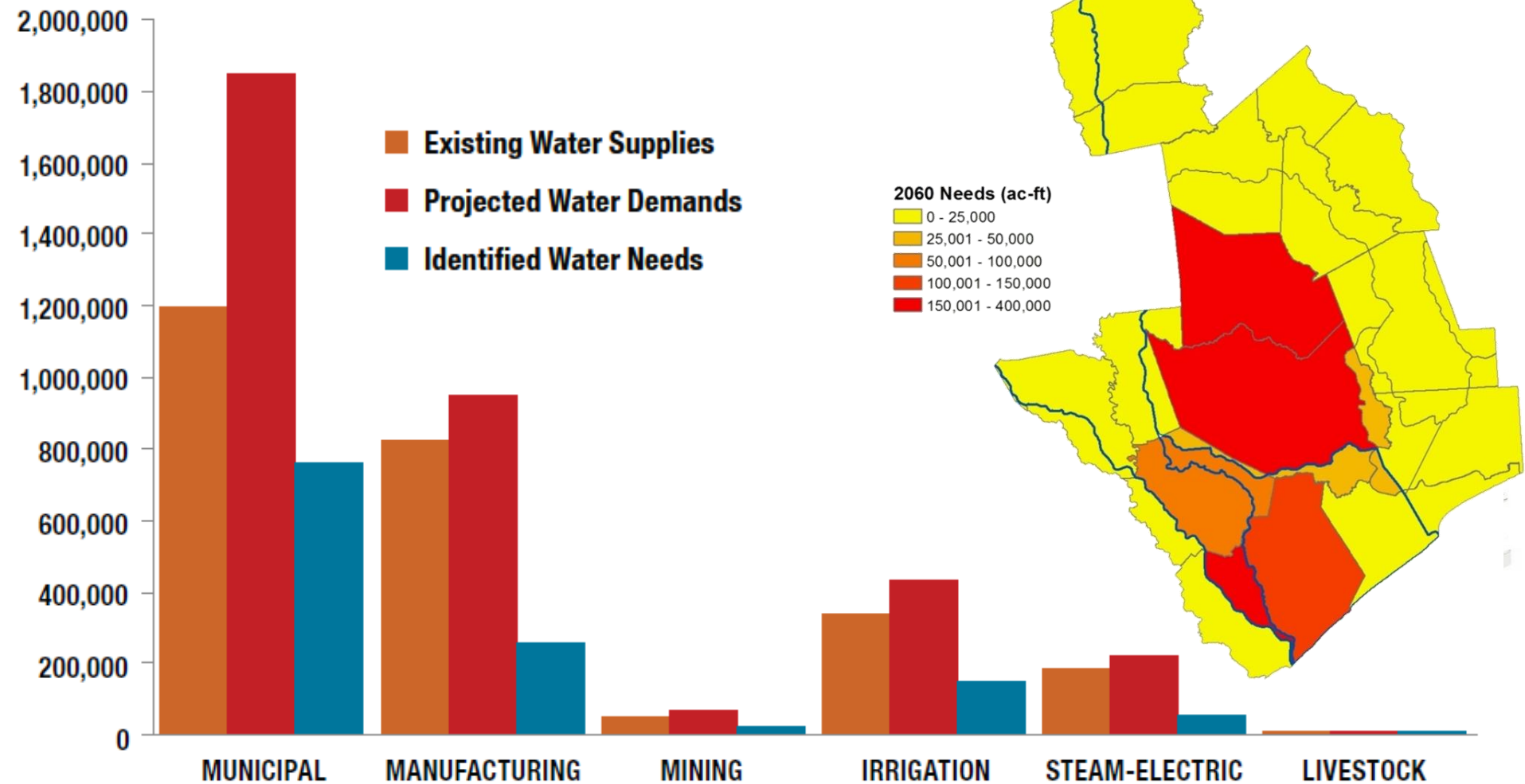
- 15 Counties

- 8 in Brazos River and San Jacinto-Brazos Coastal Basins



Regional Needs

Year 2060 Water Needs from the 2012 State Water Plan (ac-ft)

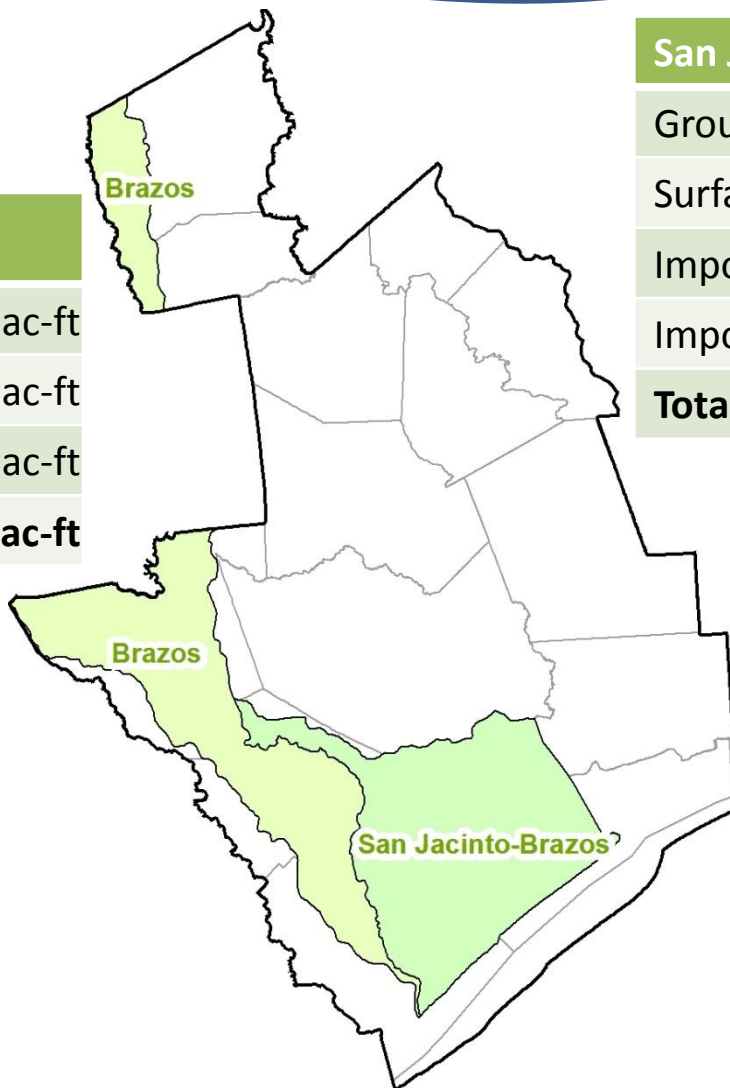


Brazos River Basin: Available Supply



Brazos River Basin

Groundwater:	55,971 ac-ft
Surface Water:	296,242 ac-ft
Import (Trinity):	1,577 ac-ft
Total:	353,790 ac-ft



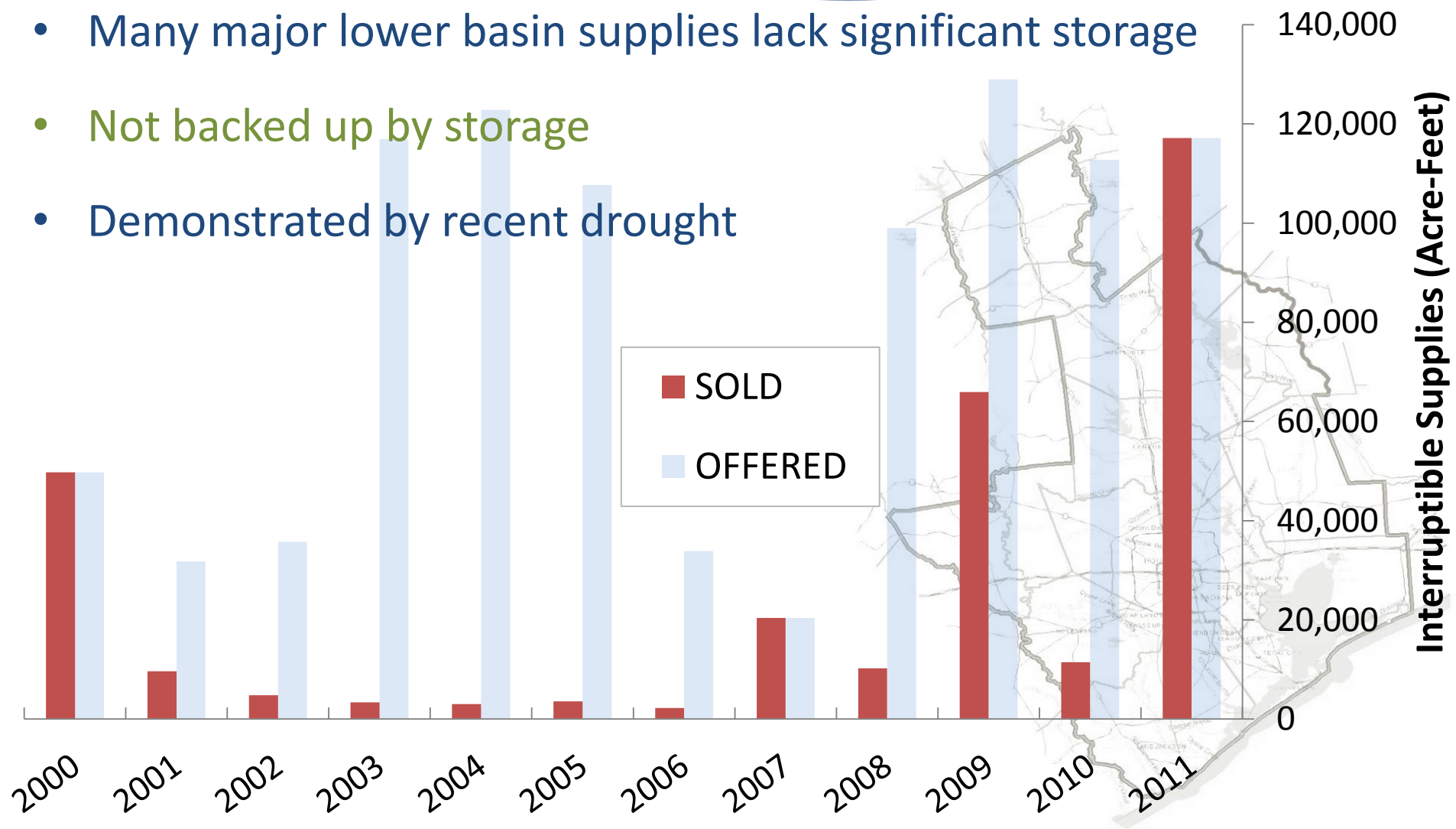
San Jacinto Brazos Coastal Basin

Groundwater:	74,867 ac-ft
Surface Water:	27,645 ac-ft
Import (Brazos)	216,478 ac-ft
Import (Trinity):	162,656 ac-ft
Total:	481,646 ac-ft



Current Issues: Permit vs Firm Yield

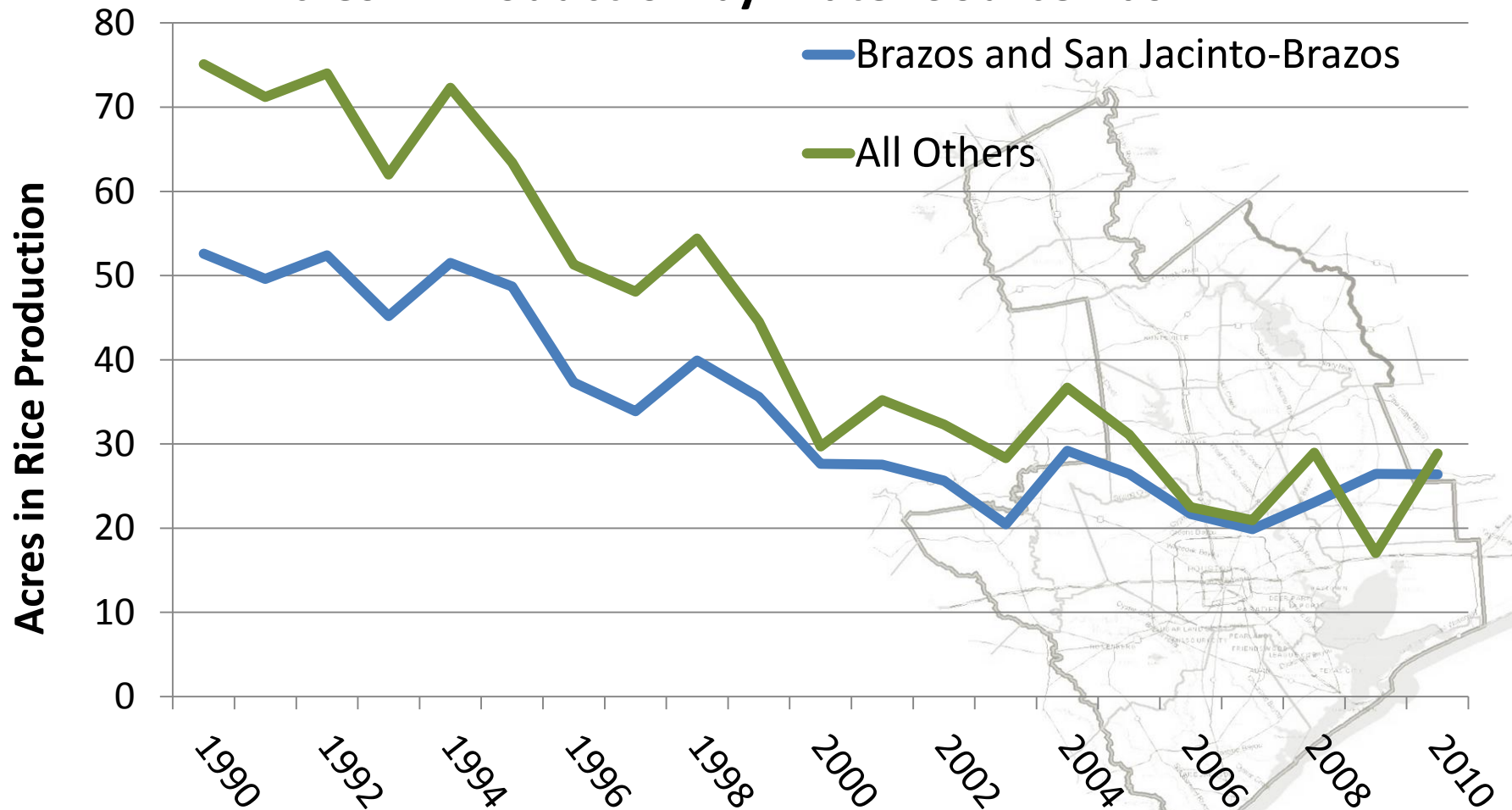
- Many major lower basin supplies lack significant storage
- Not backed up by storage
- Demonstrated by recent drought



Current Issues: Interruptible Demands

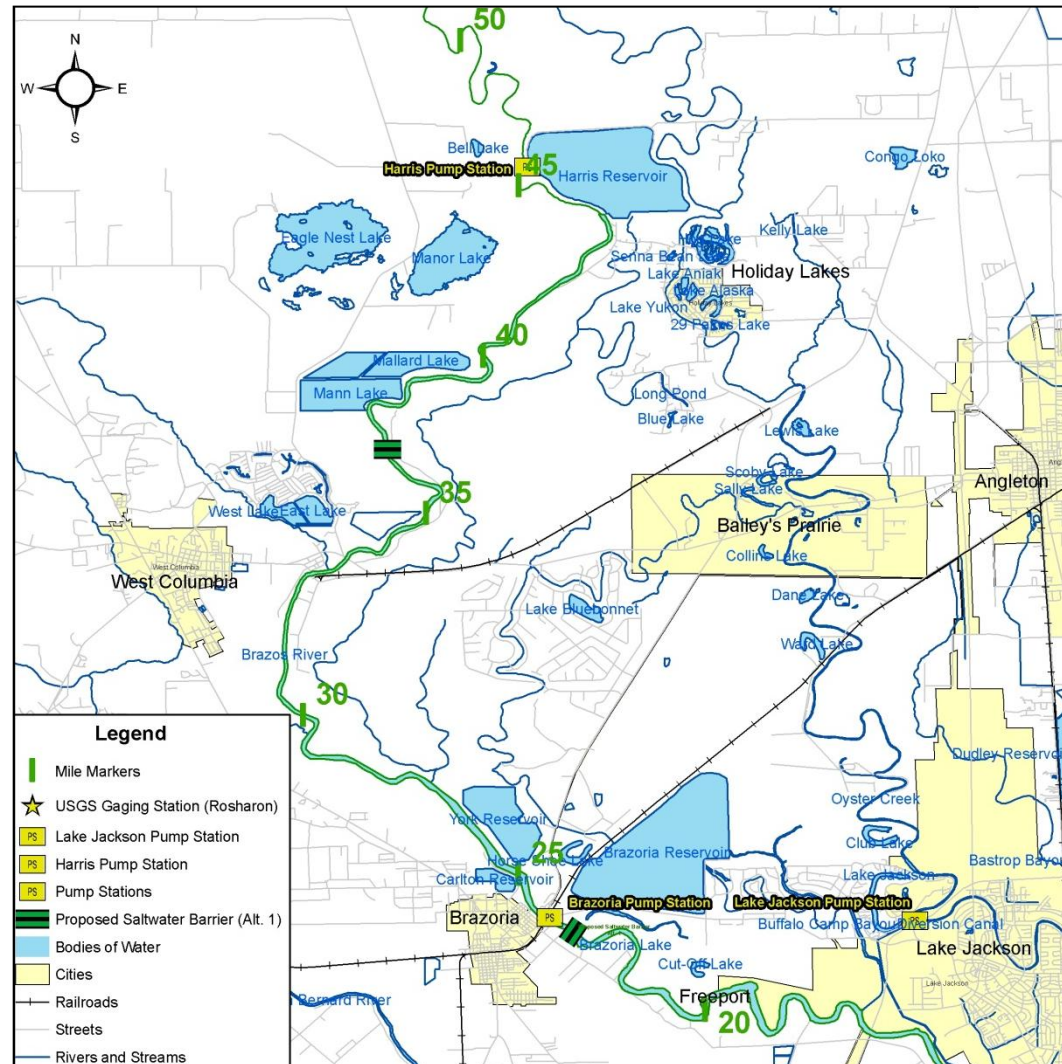


Acres in Production by Water Source Basin



Current Issues: Saltwater Wedge

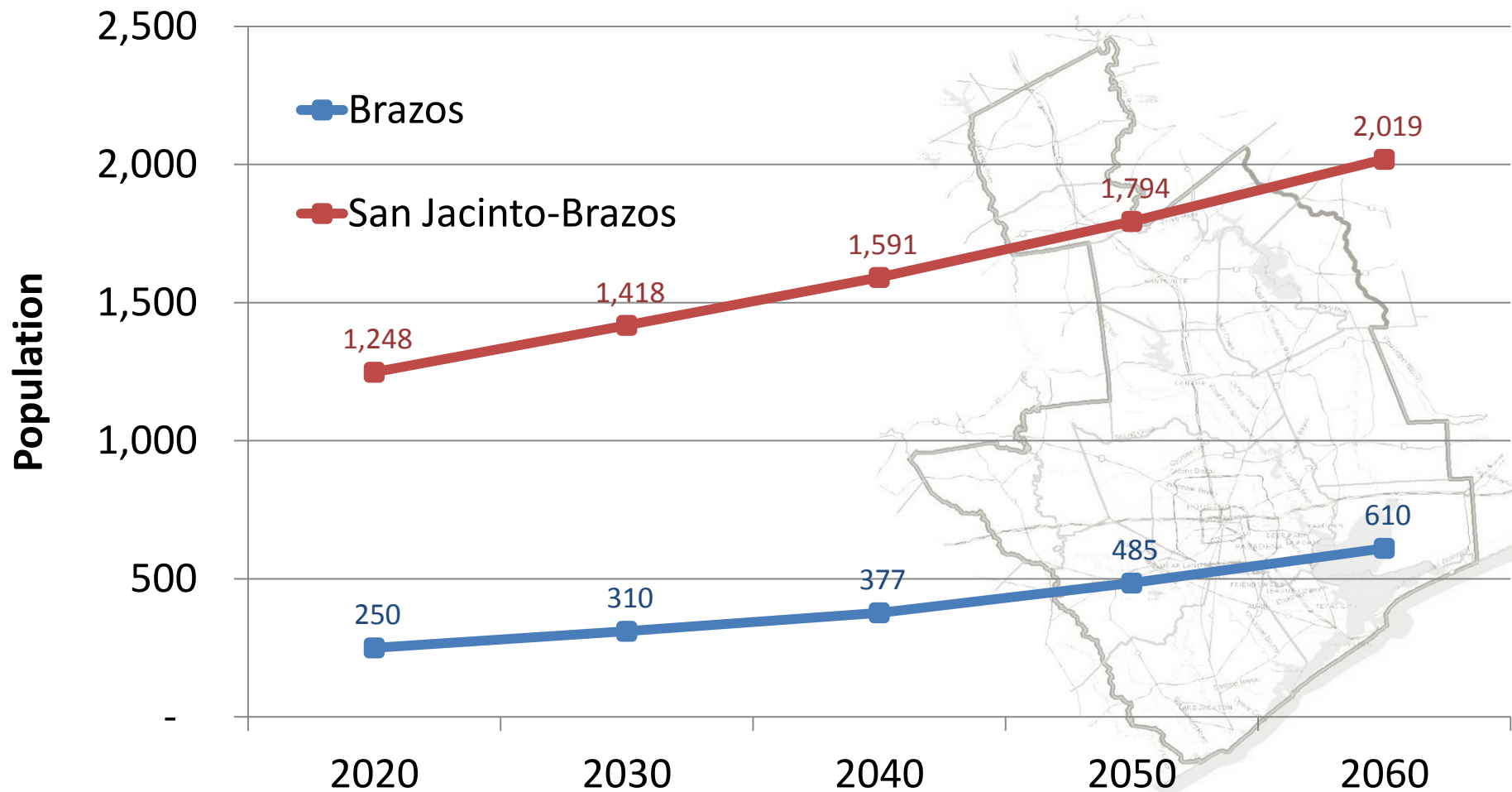
- Seasonal fluctuation
- Impacts industrial and municipal water users
- Adds additional complexity to downstream supply issues



Future Issues: Growth

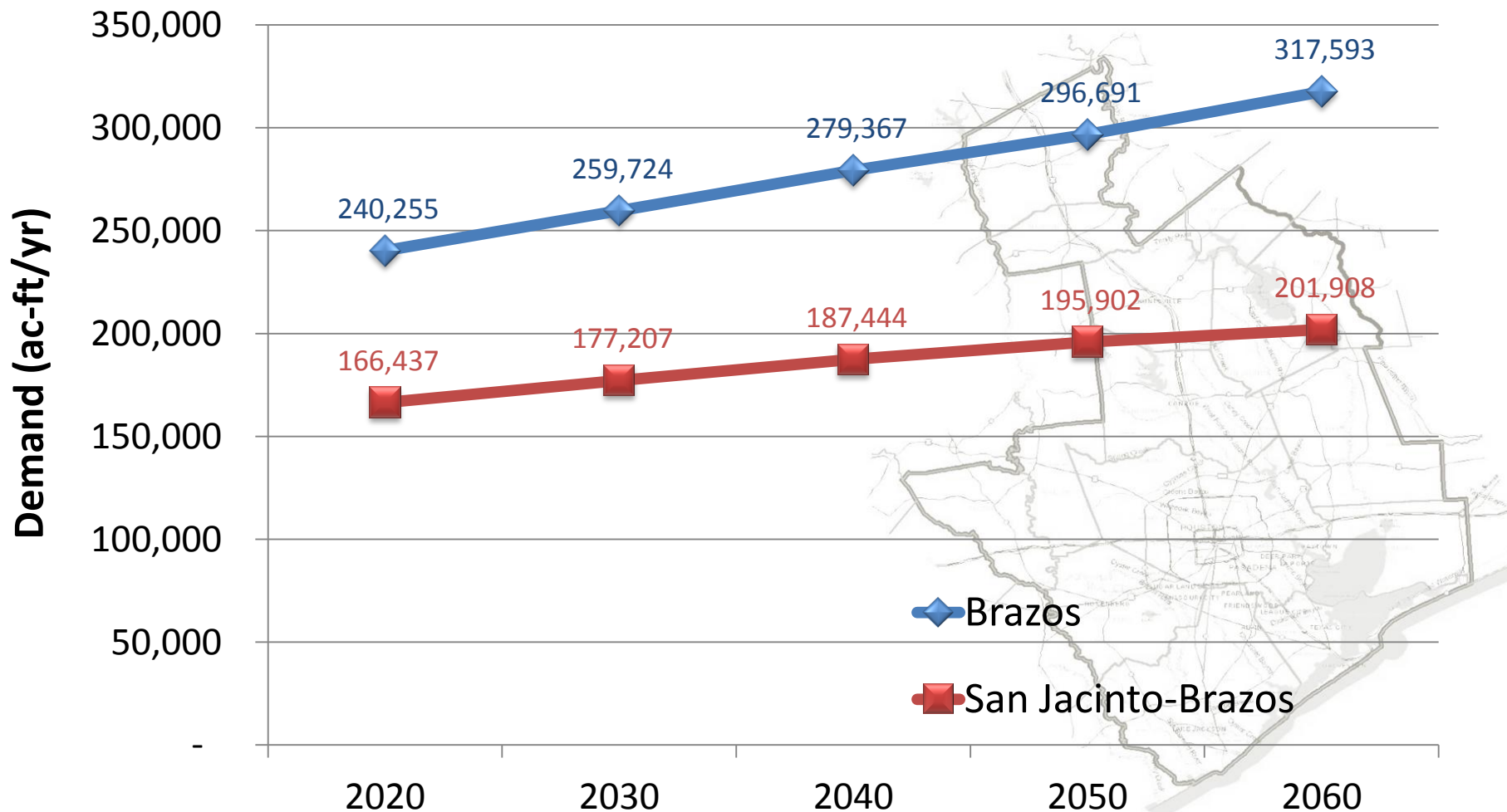


Projected Population Increase (Thousands)

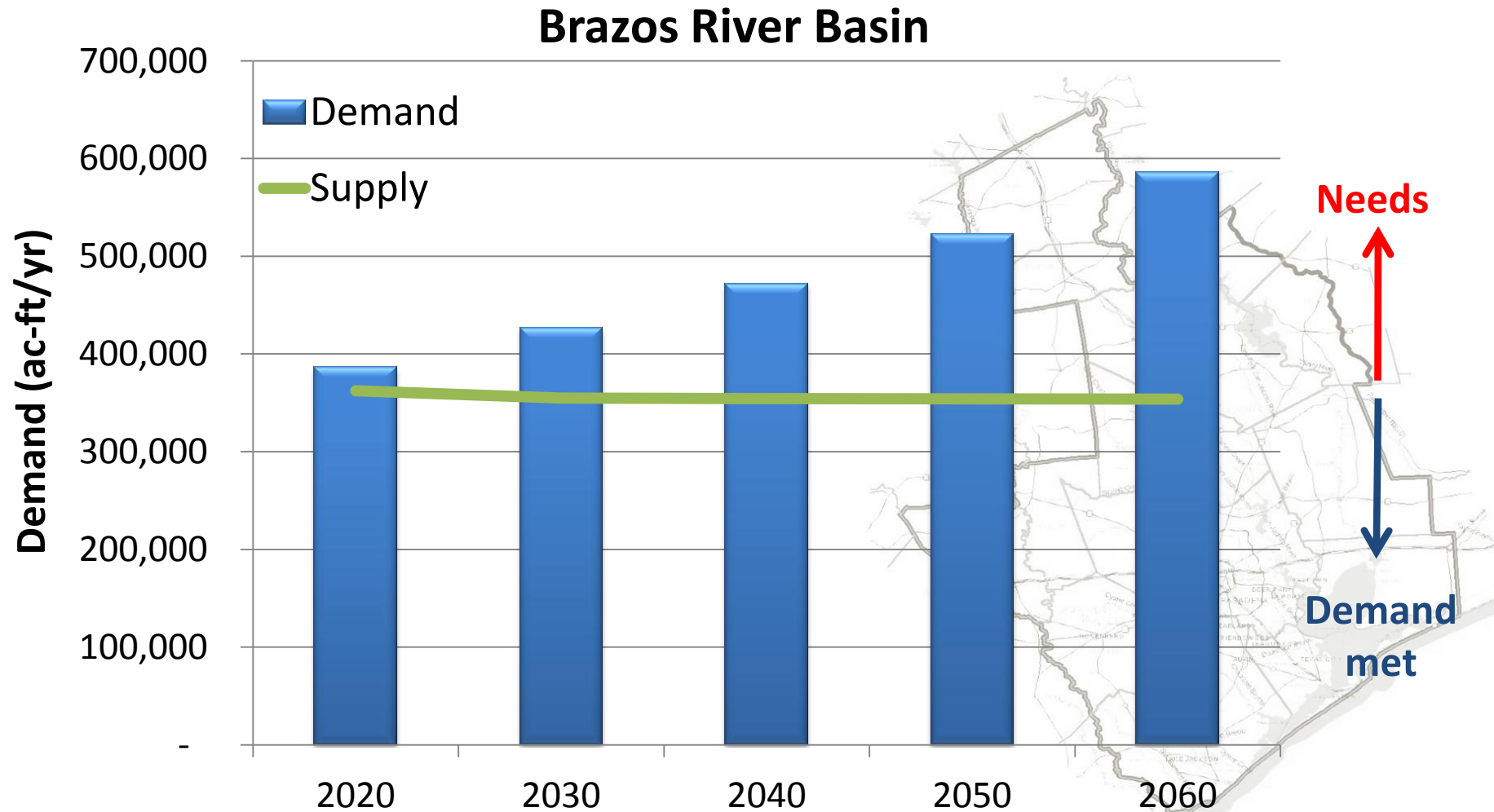


Future Issues: Growth

Projected Manufacturing Water Demands



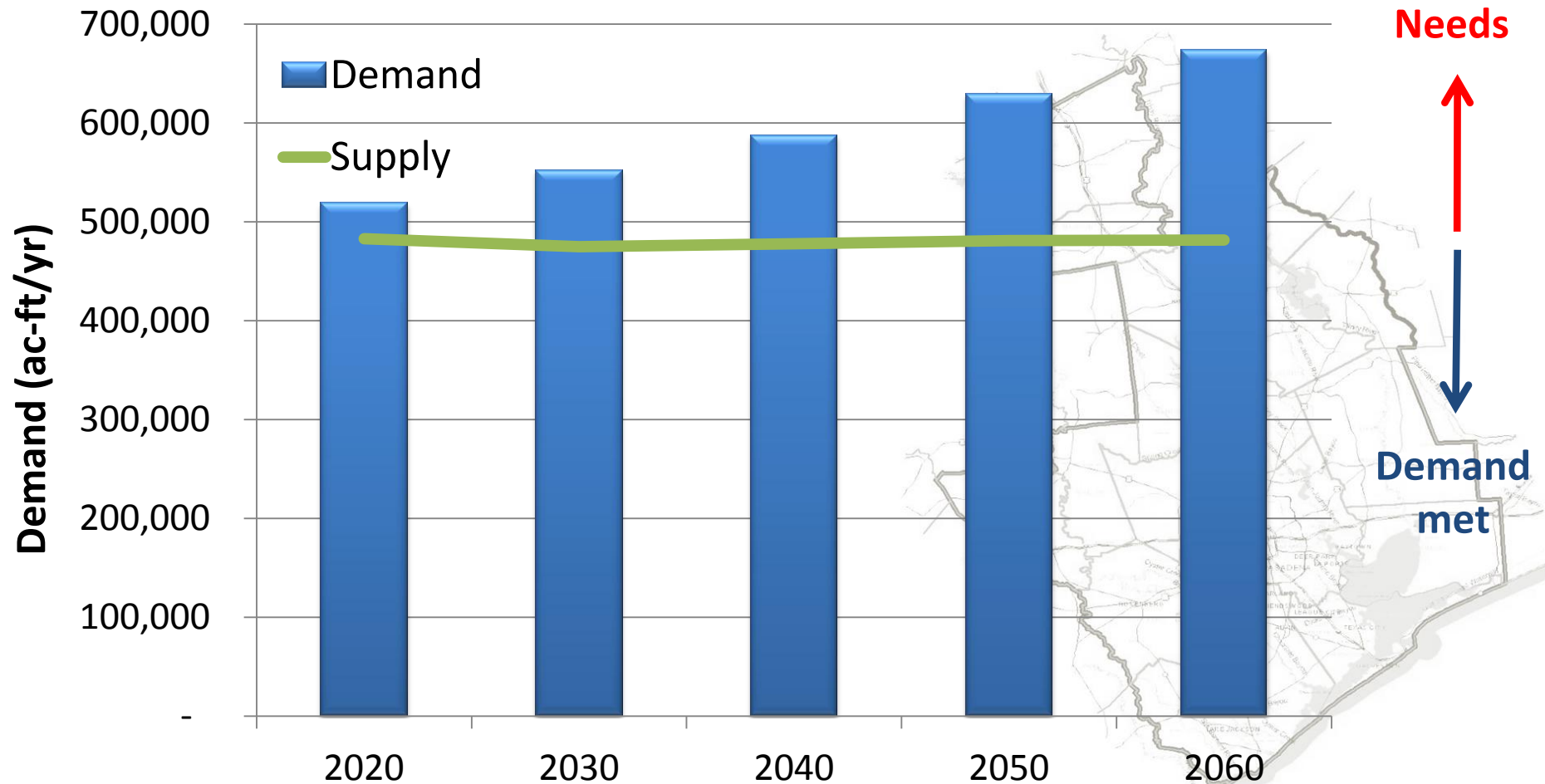
Brazos River Basin: Projected Needs



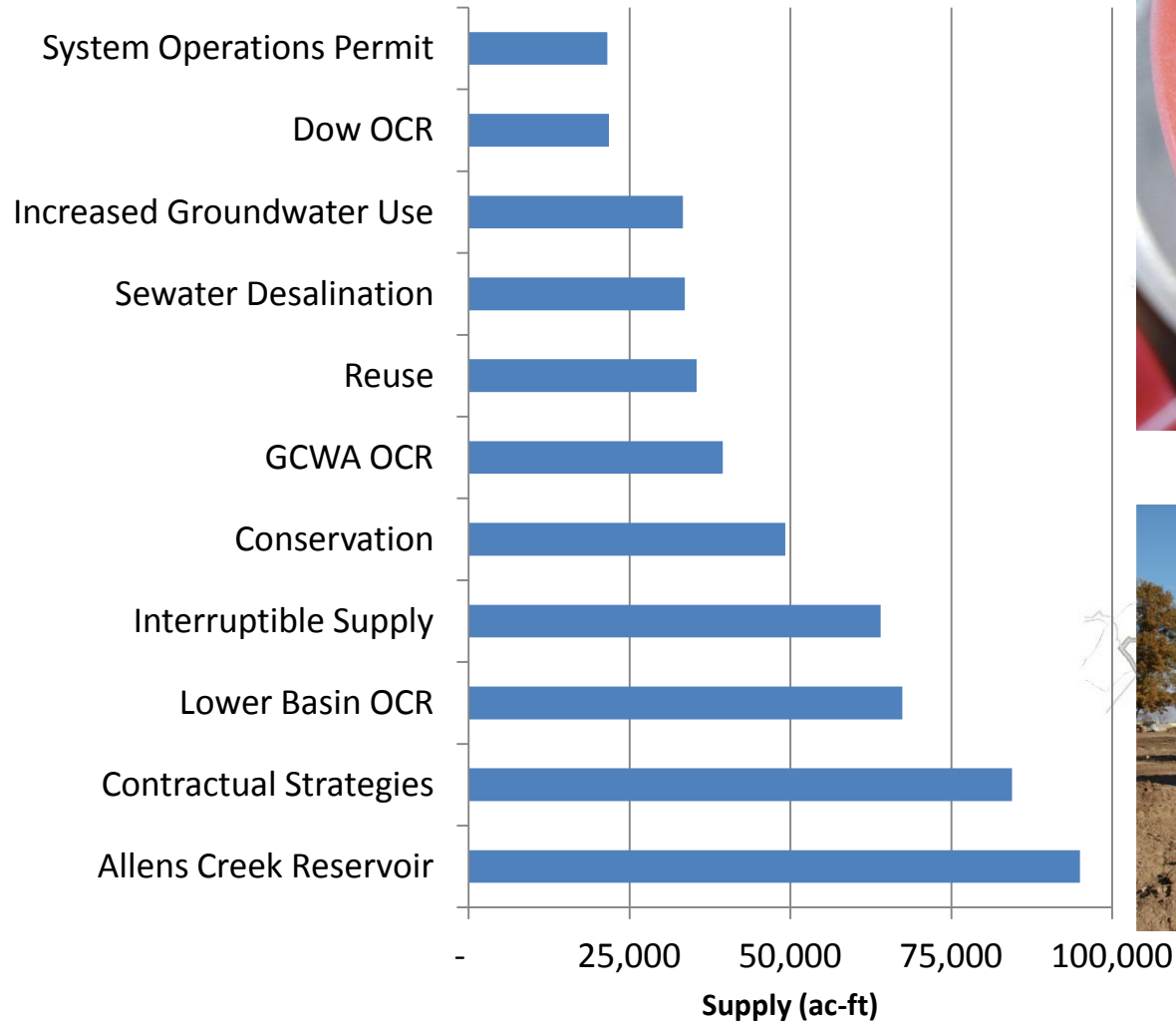
San Jacinto Brazos Coastal Basin: Projected Needs



San Jacinto-Brazos Coastal Basin



Potential Strategies for the Future



Summary

- Current supplies impacted by limited storage
- Ongoing need for low-cost, interruptible supplies
- Water quality concerns from saltwater wedge
- Substantial growth projected over planning horizon
- Significant projects required





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